

## IN THE CLAIMS:

Please amend the claims as follows:

Claims 20-30 (canceled)

Claim 31 (currently amended): A calcination plant for particulate material comprising:

means defining a calcination zone, said defining means including a peripheral wall which peripherally surrounds said calcination zone; and  
means for transporting particulate material through at least part of said calcination zone along a substantially cyclonic flow path, said peripheral wall being substantially free of ceramic from refractory insulation along said part of said calcination zone.

Claim 32 (previously presented): The plant of claim 31, further comprising means for adjusting the temperature in said calcination zone by varying the rate of admission of particulate material into said calcination zone.

Claim 33 (currently amended): The plant of claim 31, wherein said peripheral wall is substantially free of ceramic from refractory insulation along substantially all of said calcination zone.

Claim 34 (previously presented): The plant of claim 31, wherein said transporting means comprises means for introducing particulate material into said calcination zone substantially tangentially of said calcination zone.

Claim 35 (previously presented): The plant of claim 31, further comprising means for heating the interior of said cyclonic flow path.

Claim 36 (previously presented): The plant of claim 35, wherein said heating means comprises a burner for directing a flame into said interior of said cyclonic flow path.